

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Number: 7,129,601

Issued: October 31, 2006

Name of Patentee: GSI Group Corporation

Title of Invention: APPARATUS FOR CONTROLLED MOVEMENT OF AN ELEMENT

Attention Certificate of Corrections Branch

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION  
OF PATENT FOR APPLICANT MISTAKE**

1. Attached is Form PTO/SB/44, which is suitable for printing.

2. The exact page and line number where the errors are shown correctly in the application file are:

Please replace the issued informal drawings (Sheets 1-24) with the attached formal drawings (Sheets 1-25).

3. The Commissioner is authorized to charge Deposit Order Account No. 19-0079 for any fee that is required in connection with this Certificate of Correction.

4. Please send the Certificate to:

Name: William E. Hilton

Address: Gauthier & Connors, LLP

225 Franklin Street, Suite 2300

Boston, Massachusetts 02110

Reg. No.:35,192

SIGNATURE OF ATTORNEY

  
\_\_\_\_\_  
William E. Hilton  
Gauthier & Connors, LLP  
225 Franklin Street, Suite 2300  
Boston, MA 02110

Tel. No.: (617) 426-9180  
Extension 111

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

Page 1 of 26

PATENT NO. : 7,129,601

APPLICATION NO.: 10/075,940

ISSUE DATE : October 31, 2006

INVENTOR(S) : David C. Brown et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

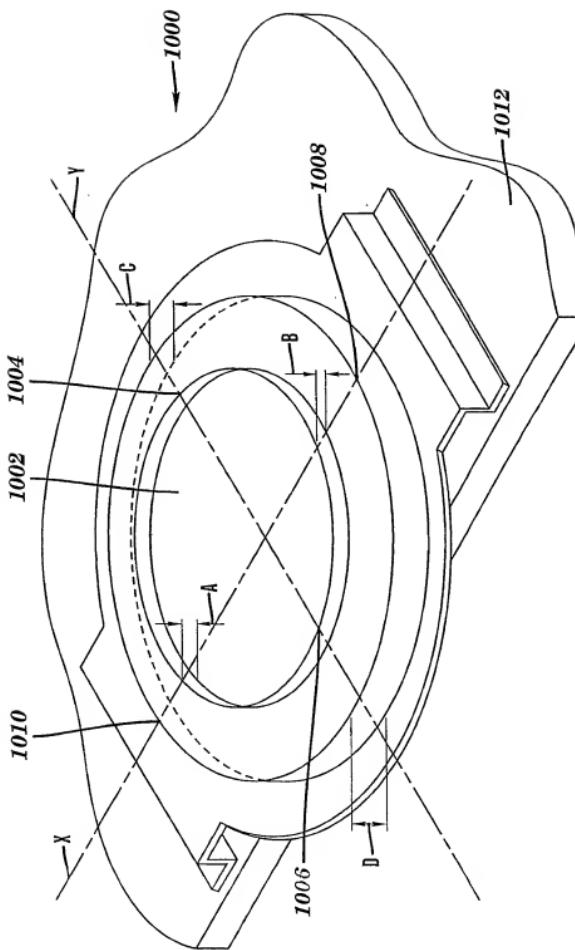
Please replace the issued informal drawings (Sheets 1-24) with the attached formal drawings (Sheets 1-25).

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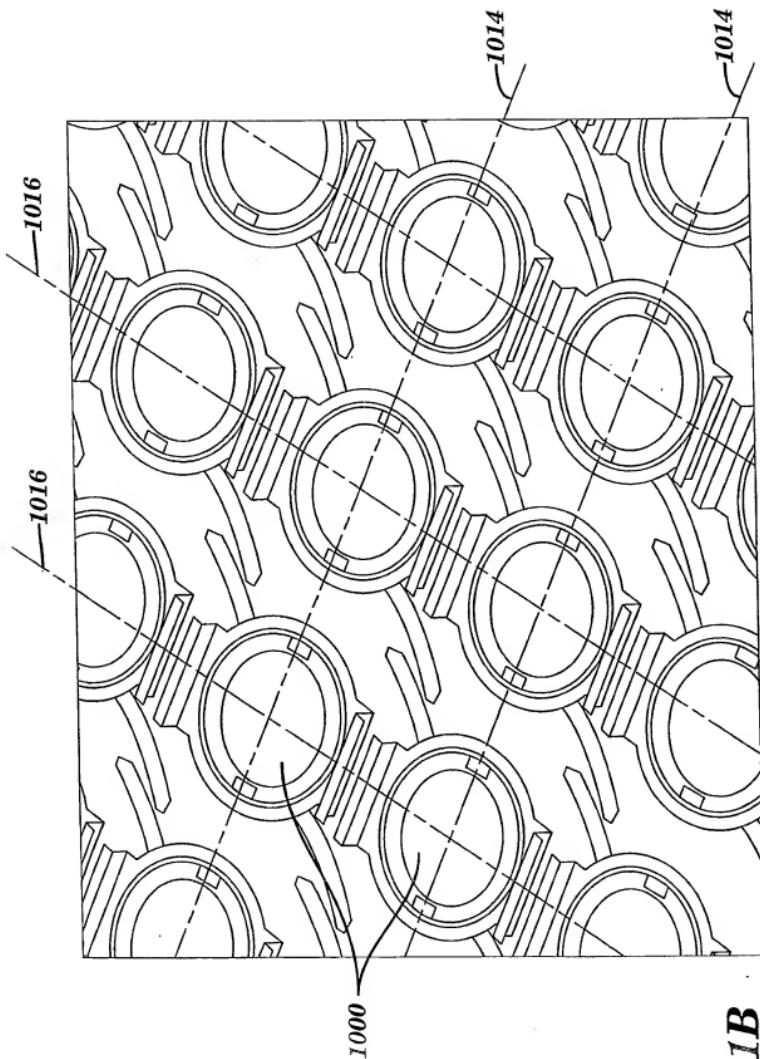
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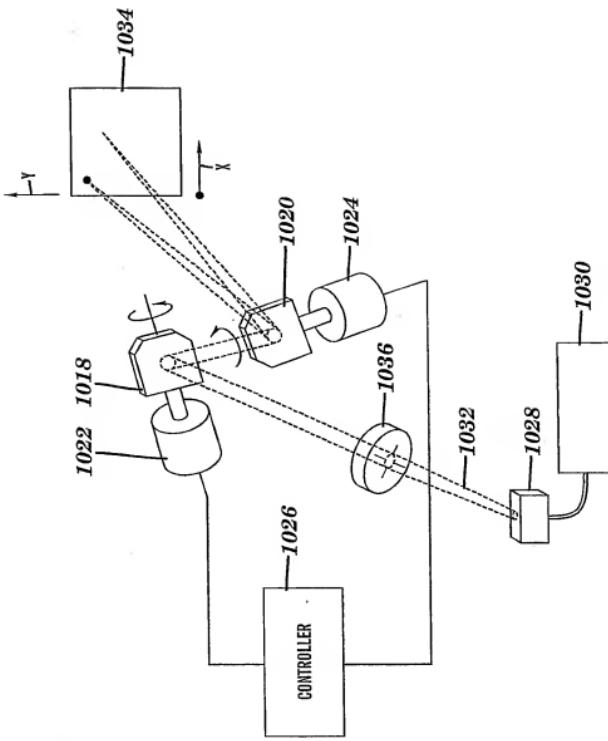
*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*



**FIG. 1A**  
**PRIOR ART**



**FIG. 1B**  
**PRIOR ART**



**FIG. 2**  
**PRIOR ART**

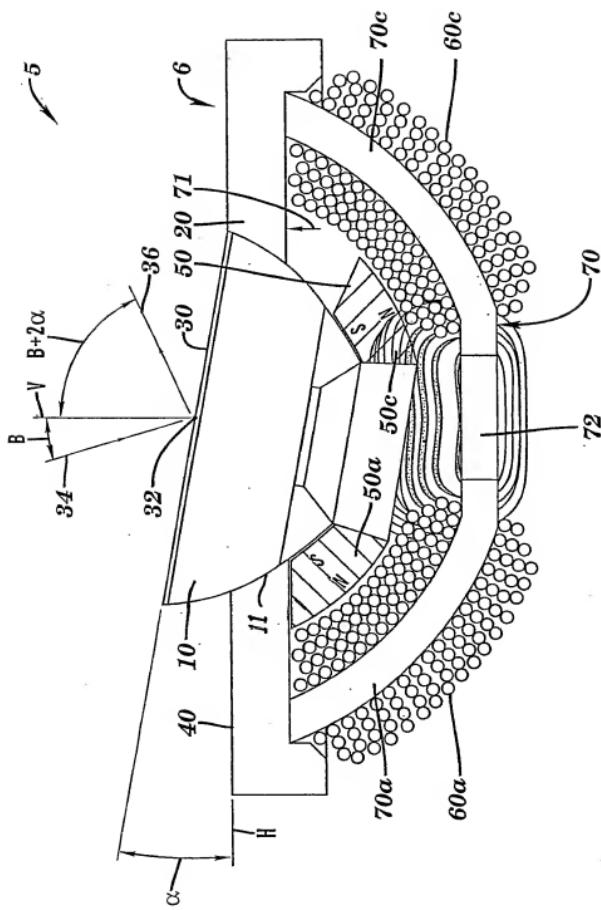


FIG. 3A

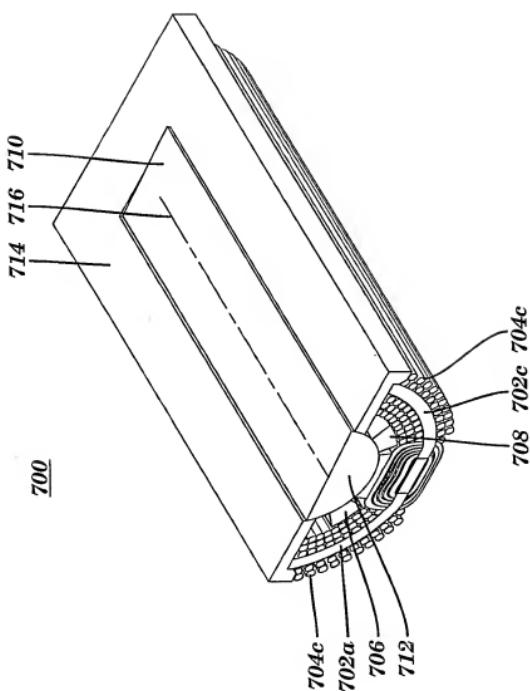
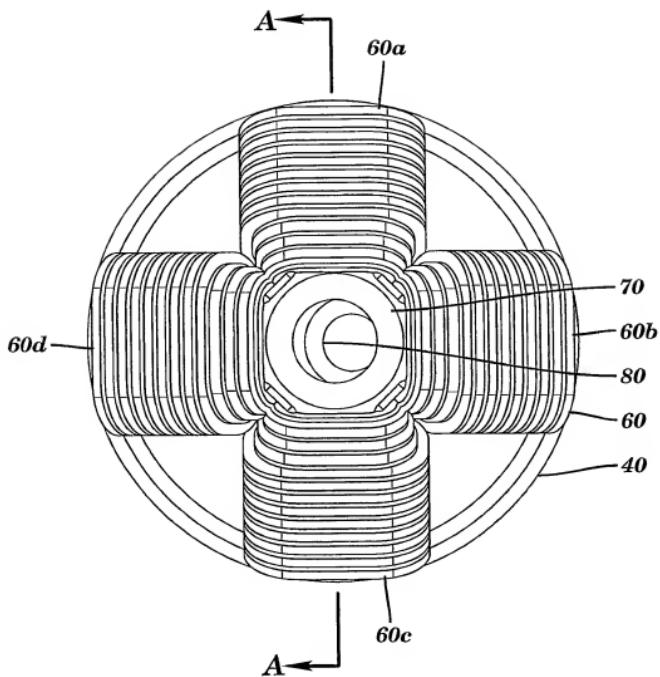
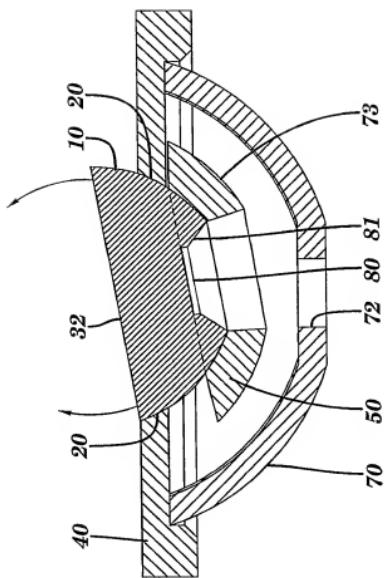


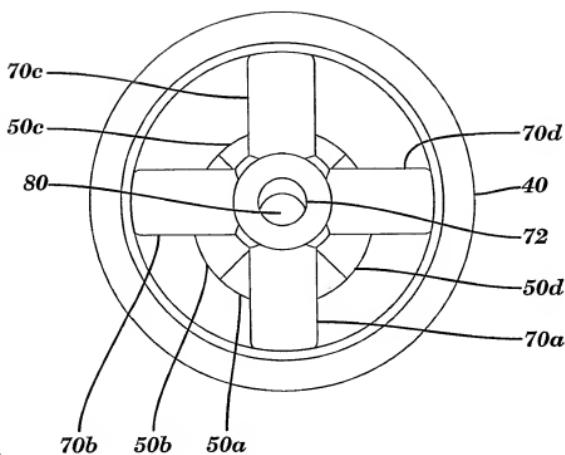
FIG. 3B



**FIG. 4**



*FIG. 5*



**FIG. 6**

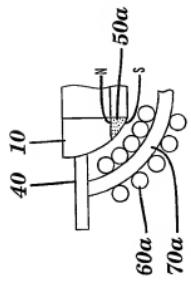


FIG. 7A

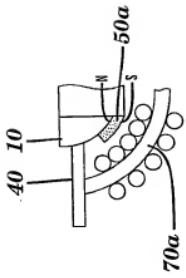


FIG. 7B

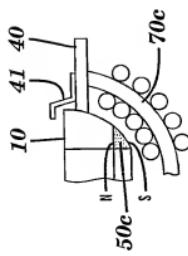


FIG. 7C

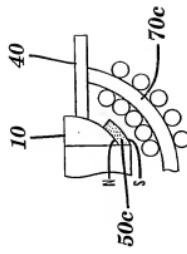
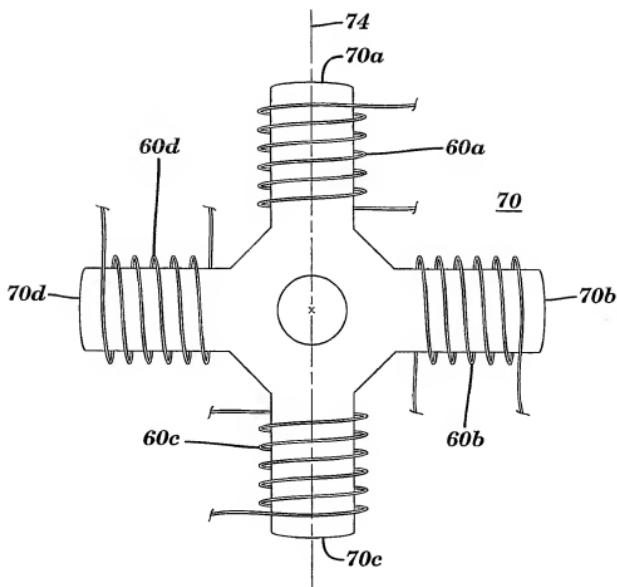
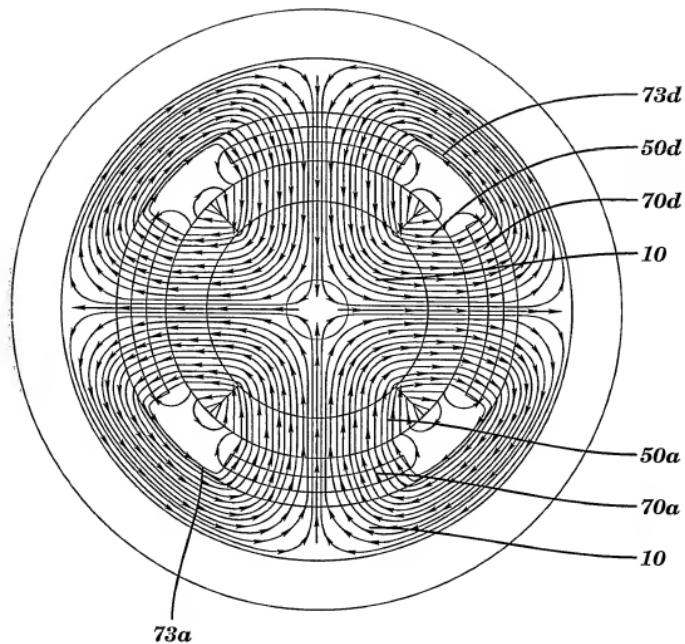


FIG. 7D



**FIG. 8**



**FIG. 9**

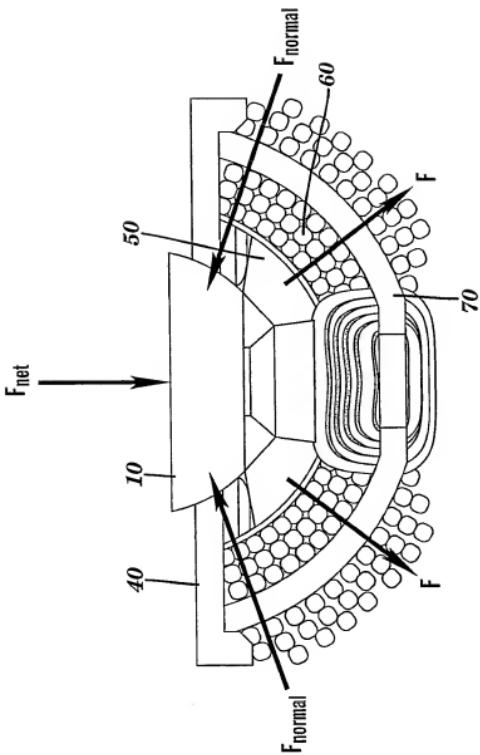
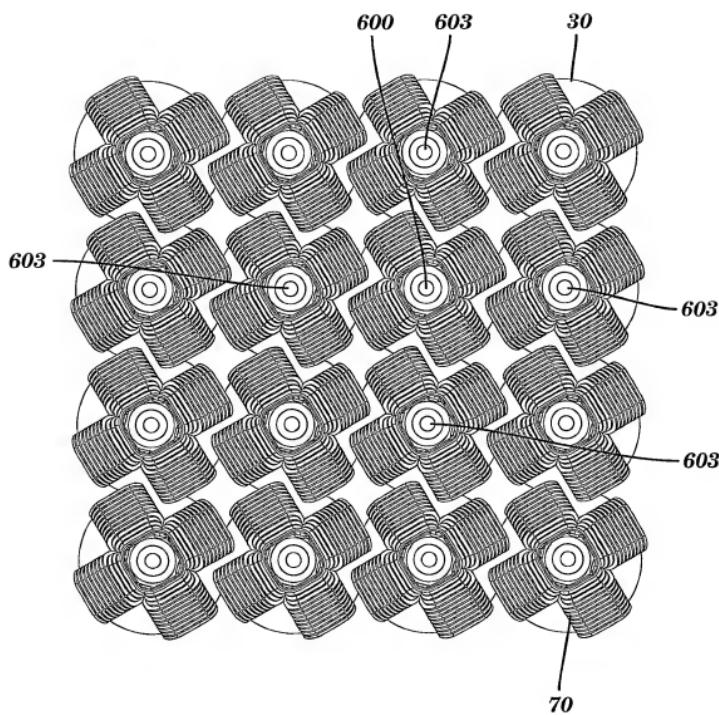


FIG. 10



***FIG. 11***

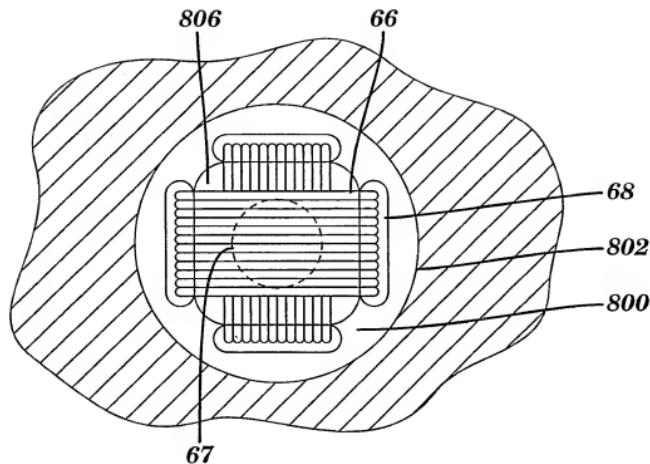


FIG. 13

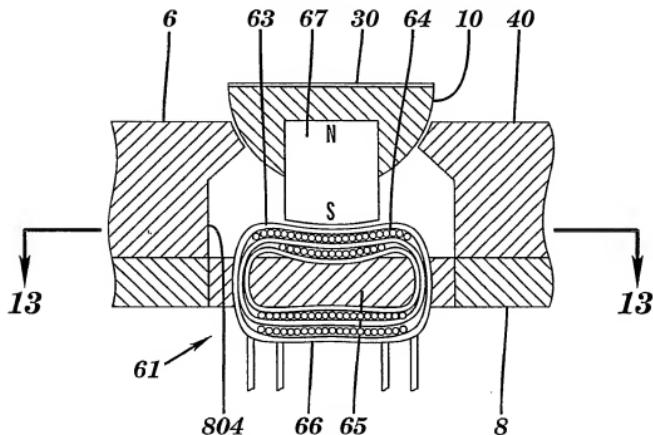


FIG. 12

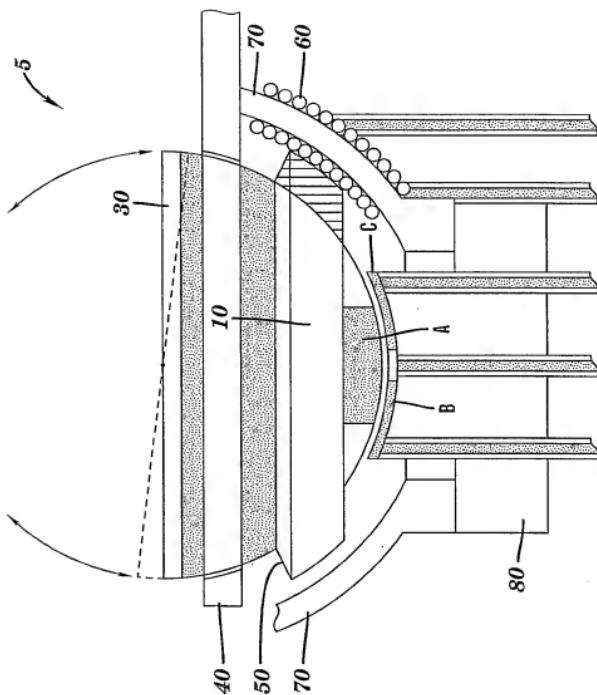
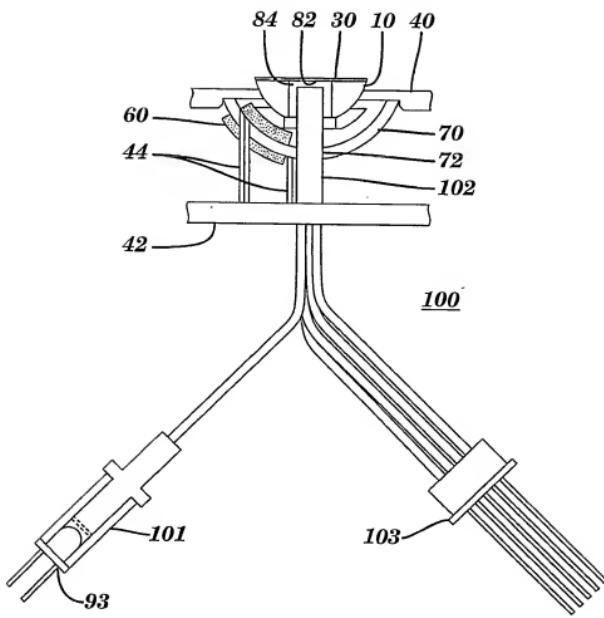


FIG. 14



**FIG. 15**



FIG. 16C

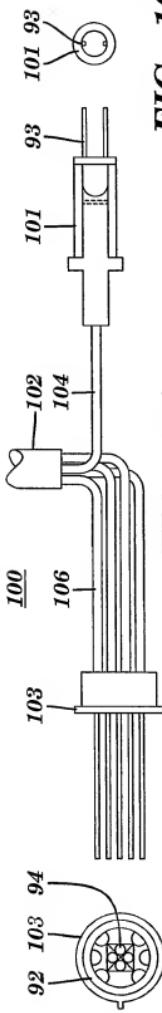
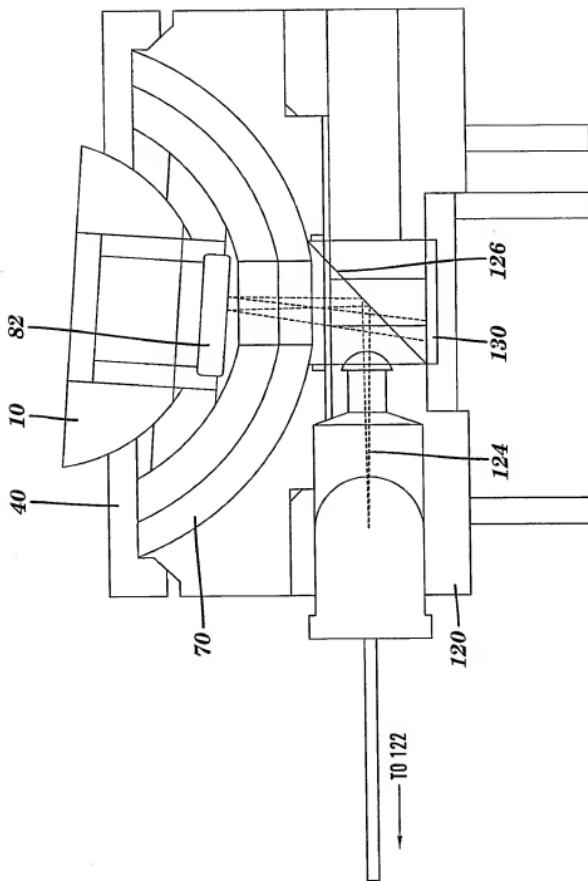


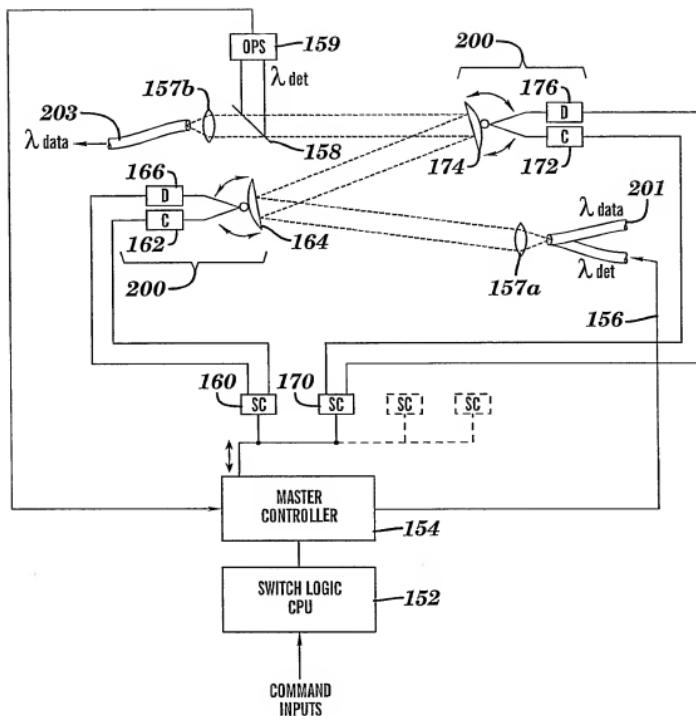
FIG. 16A

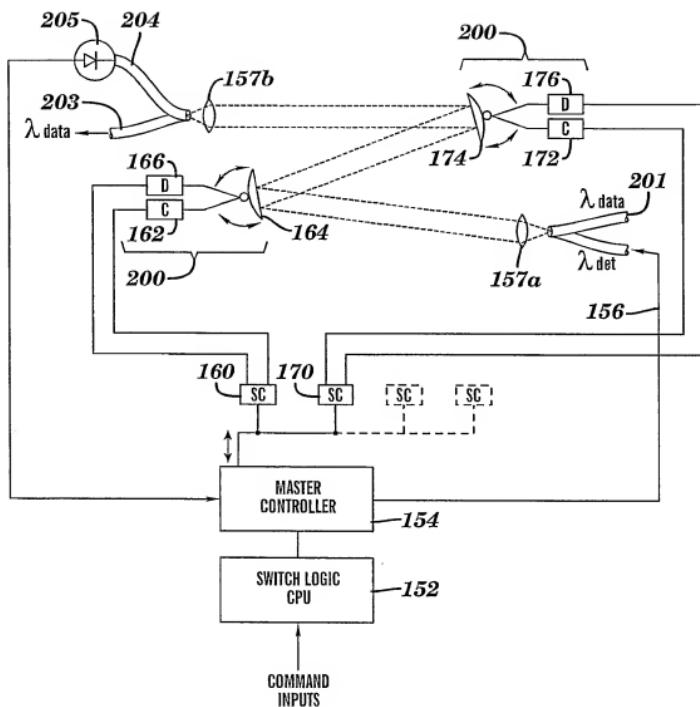
FIG. 16B

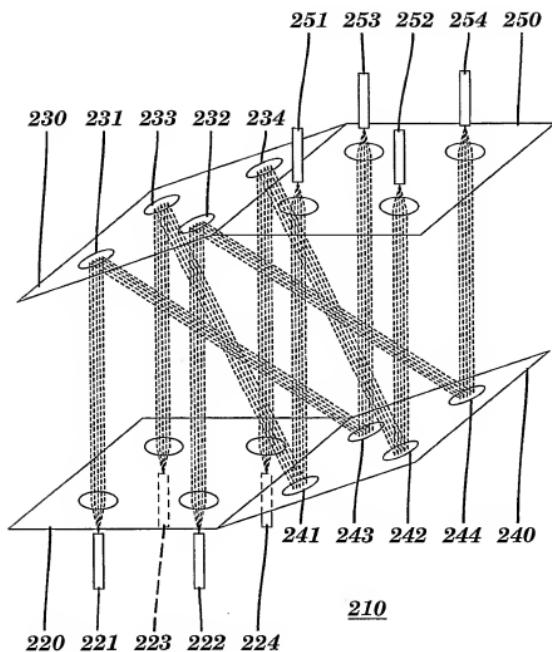
FIG. 16D



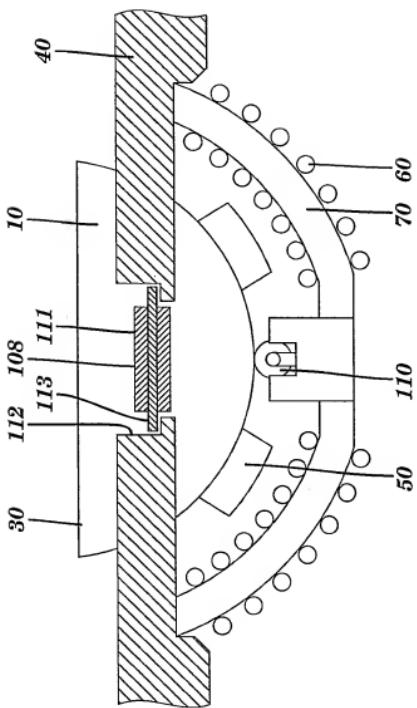
**FIG. 17**

202**FIG. 18**

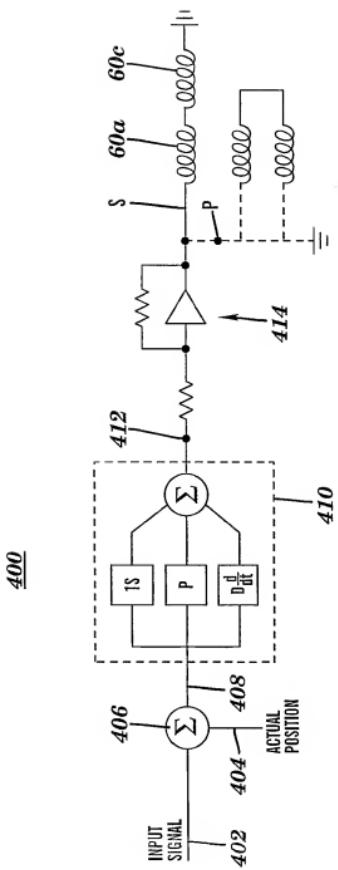
302**FIG. 19**



**FIG. 20**



*FIG. 21*

**FIG. 22**

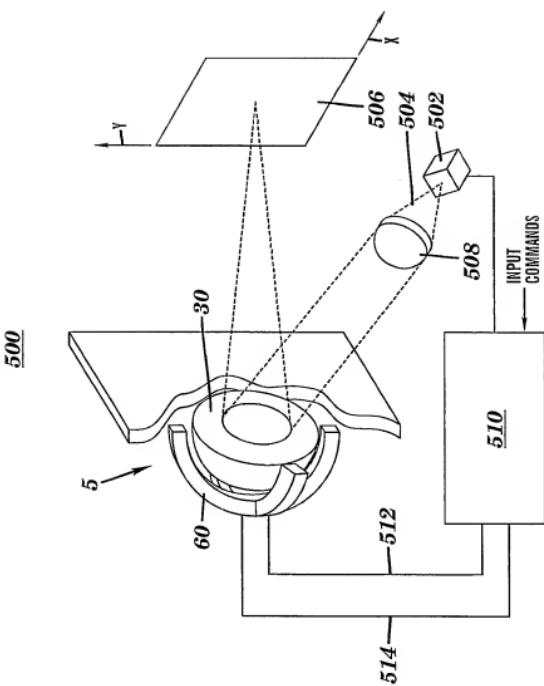


FIG. 23

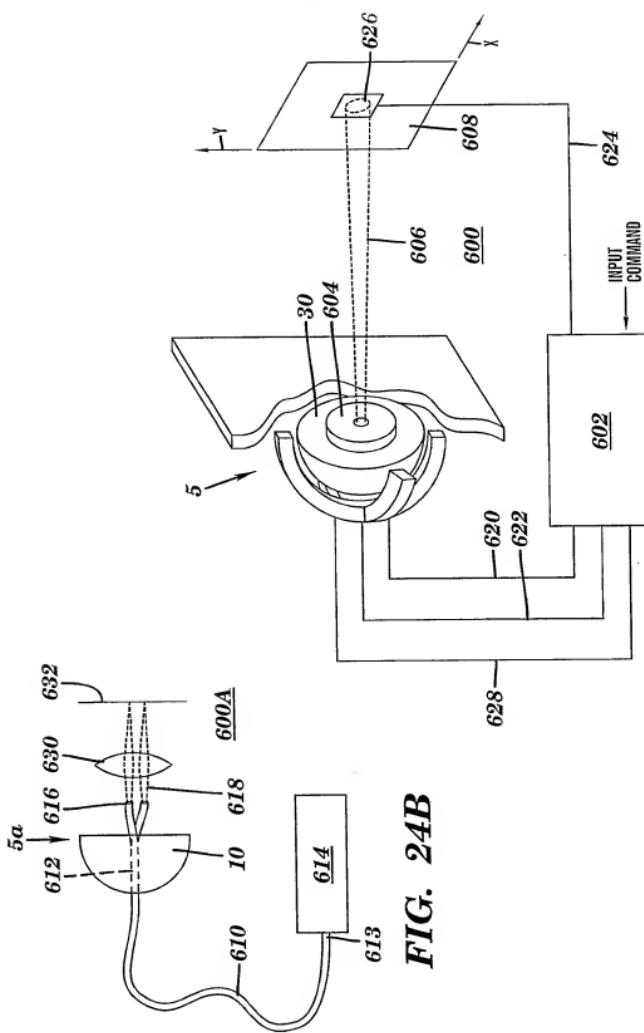


FIG. 24A

FIG. 24B